

**RECORDABLE OPTICAL DRIVE AUTOMATICALLY CHANGING A  
WRITING SPEED IN ACCORDANCE WITH AN INTERFACE DATA  
TRANSFER SPEED**

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**Abstract of the Disclosure**

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An optical drive that detects a communication link interface speed to a host device and changes an optical media writing speed to reduce the likelihood that an error will occur during writing caused by an insufficient data interface rate in relation to the writing speed. In certain embodiments, the process for detecting and storing the preferred recording speed may be a software module which is part of the firmware of the optical drive. The invention provides a method of determining the preferred recording speed based on the interface speed and the maximum recording speed of the optical drive and storing this preferred recording speed for retrieval during recording of optical media.

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